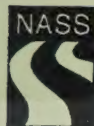


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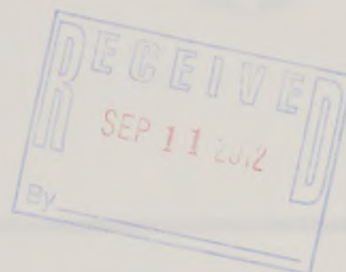
Sheep and Lamb Death Loss 1994

United States
Department of
Agriculture



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Abstract

A total of 336,600 sheep and 910,100 lambs were lost from all causes in 1994 in the United States. About two-thirds of the total lamb losses occurred after docking. Predators, including coyotes, dogs, mountain lions, eagles, etc., were responsible for 31.7 percent of the sheep losses and 45.5 percent of the lamb losses. Coyotes were responsible for almost two-thirds of the predator losses of sheep and lambs. Losses from causes other than predators included digestive, respiratory, metabolic, and lambing problems. Lambing problems was the leading cause of losses from non-predators in sheep, with almost 10 percent of the total. Weather-related losses was the leading cause in lambs with 18.9 percent of the total.

About half the total losses occurred in operations with over 1,000 head of breeding sheep on January 1, 1994. This size of operation also had the largest predator losses with 53.8 percent of the total.

Fencing and husbandry practices tied for the leading non-lethal control measures used during 1994, and farmers and ranchers spent an average of \$1.77 per breeding animal on non-lethal control measures and \$0.50 on lethal measures.

1994 Sheep and Lamb Death Losses Total 1.25 Million

A total of 1.25 million head of sheep and lambs were lost from all causes during 1994 in the United States. This report contains data on losses by kind and size group of mature sheep and lambs (less than one year old). Lamb losses are further broken down for the Western United States by before and after docking (tails removed).

Predators accounted for 520,600 head (41.8 percent) of all losses for both sheep and lambs. The leading cause was coyotes with 61.9 percent of the total followed by dogs with 9.1 percent and mountain lions, cougars or pumas with 6.8 percent. In the Western United States, predators killed about one-third of the lambs before they were docked.

Losses from non-predators including digestive, respiratory, metabolic and lambing problems as well as theft, poisoning and weather were responsible for the remainder of the losses. Lambing problems was the leading cause of non-predator losses with 13.5 percent, followed by respiratory with 13.1 percent.

The leading non-lethal control measure used were fencing, guard animals and husbandry, costing farmers and ranchers an average of \$1.77 per breeding animal.

This report is released as a cooperative effort between USDA's National Agricultural Statistics Service and the National Animals Health Monitoring System and Animal Damage Control of the Animal and Plant Health Inspection Service. This is the second release of 1994 death loss data and includes data from the first release by size group.

Sheep and Lambs: Losses from All Causes, Predators, and Causes
Other Than Predators by State and United States, 1994 1/

State	Total All Causes			Predators			Causes Other Than Predators		
	Sheep	Lambs		Sheep	Lambs		Sheep	Lambs	
		Before	After		Before	After		Before	After
		Docking	Docking		Docking	Docking		Docking	Docking
Head									
AL	1,000	0	2,500	850	0	1,625	150	0	875
AZ	3,000	4,000	5,000	1,750	2,100	2,650	1,250	1,900	2,350
AR	50	0	400	50	0	200	0	0	200
CA	24,000	24,000	24,000	9,350	11,500	15,075	14,650	12,500	8,925
CO	15,000	20,000	55,000	6,500	9,000	20,000	8,500	11,000	35,000
CT	700	0	1,000	425	0	300	275	0	700
DE	50	0	50	0	0	0	50	0	50
FL	50	0	400	25	0	200	25	0	200
GA	50	0	400	25	0	225	25	0	175
HI	1,700	0	2,000	50	0	25	1,650	0	1,975
ID	12,000	21,000	18,000	3,800	5,300	9,900	8,200	15,700	8,100
IL	4,000	0	14,000	1,025	0	2,225	2,975	0	11,775
IN	2,000	0	4,000	925	0	425	1,075	0	3,575
IA	8,000	0	30,000	1,250	0	2,525	6,750	0	27,475
KS	7,000	0	11,000	1,125	0	1,025	5,875	0	9,975
KY	1,300	0	4,500	525	0	825	775	0	3,675
LA	600	0	1,500	225	0	700	375	0	800
ME	200	0	500	50	0	50	150	0	450
MD	1,000	0	2,000	100	0	300	900	0	1,700
MA	500	0	800	100	0	200	400	0	600
MI	4,000	0	10,000	800	0	1,025	3,200	0	8,975
MN	9,000	0	21,000	1,075	0	2,125	7,925	0	18,875
MS	100	0	300	100	0	200	0	0	100
MO	1,900	0	4,700	525	0	1,025	1,375	0	3,675
MT	29,000	35,000	40,000	6,600	9,100	27,200	22,400	25,900	12,800
NE	5,000	0	13,000	900	0	1,600	4,100	0	11,400
NV	8,000	5,000	13,000	3,775	2,300	12,375	4,225	2,700	625
NH	400	0	900	50	0	50	350	0	850
NJ	700	0	1,700	50	0	50	650	0	1,650
NM	21,000	12,000	21,000	6,975	6,400	12,000	14,025	5,600	9,000
NY	5,000	0	6,000	700	0	700	4,300	0	5,300
NC	1,300	0	2,100	300	0	525	1,000	0	1,575
ND	4,000	0	14,000	825	0	3,000	3,175	0	11,000
OH	4,500	0	12,500	1,025	0	1,425	3,475	0	11,075
OK	4,000	0	8,000	1,025	0	1,425	2,975	0	6,575
OR	14,000	14,200	22,000	4,275	2,400	13,100	9,725	11,800	8,900
PA	4,000	0	10,000	700	0	825	3,300	0	9,175
RI	50	0	50	50	0	25	0	0	25
SC	50	0	200	25	0	150	25	0	50
SD	20,000	0	45,000	2,425	0	12,750	17,575	0	32,250
TN	1,000	0	1,600	225	0	225	775	0	1,375
TX	46,000	78,000	50,000	16,400	57,000	31,000	29,600	21,000	19,000
UT	18,000	29,000	32,000	9,875	11,850	24,350	8,125	17,150	7,650
VT	800	0	2,300	325	0	200	475	0	2,100
VA	8,000	0	15,000	2,100	0	3,050	5,900	0	11,950
WA	2,000	3,500	2,000	750	600	1,000	1,250	2,900	1,000
WV	4,600	0	12,000	1,350	0	4,225	3,250	0	7,775
WI	3,000	0	12,000	200	0	1,375	2,800	0	10,625
WY	35,000	55,000	60,000	15,000	35,000	46,000	20,000	20,000	14,000
US	336,600	300,700	609,400	106,575	152,550	261,475	230,025	148,150	347,925

Sheep and Lambs: Losses from Coyotes and Dogs
by State and United States, 1994

State	Coyotes			Dogs		
	Sheep	Lambs		Sheep	Lambs	
		Before	After		Before	After
		Docking	Docking		Docking	Docking
Head						
AL	800	0	1,500	50	0	100
AZ	1,500	1,600	2,100	150	225	450
AR	25	0	75	25	0	125
CA	5,750	6,125	10,800	925	3,825	1,625
CO	2,700	3,700	12,500	1,000	300	1,300
CT	375	0	300	0	0	0
DE	0	0	0	0	0	0
FL	25	0	125	--	0	75
GA	25	0	200	--	0	25
HI	0	0	0	50	0	25
ID	2,900	4,300	8,600	300	400	400
IL	450	0	1,100	575	0	825
IN	300	0	175	625	0	250
IA	300	0	925	900	0	1,575
KS	575	0	600	550	0	125
KY	450	0	425	75	0	400
LA	175	0	700	50	0	0
ME	50	0	50	0	0	0
MD	0	0	0	100	0	275
MA	50	0	150	50	0	50
MI	125	0	700	650	0	325
MN	75	0	1,000	750	0	800
MS	--	0	150	100	0	50
MO	100	0	425	425	0	600
MT	5,000	4,400	19,100	500	100	400
NE	800	0	1,350	75	0	200
NV	3,075	1,700	10,375	75	0	25
NH	25	0	50	0	0	0
NJ	0	0	0	50	0	50
NM	3,450	3,325	6,100	1,425	200	450
NY	175	0	300	525	0	350
NC	--	0	0	300	0	500
ND	675	0	2,675	150	0	250
OH	350	0	1,025	675	0	350
OK	500	0	800	500	0	575
OR	2,750	1,575	9,100	750	50	1,200
PA	600	0	675	100	0	150
RI	25	0	25	25	0	0
SC	25	0	25	--	0	50
SD	1,925	0	8,775	425	0	700
TN	50	0	50	175	0	175
TX	7,400	22,750	19,700	2,300	1,225	1,100
UT	5,950	8,325	15,925	550	300	525
VT	225	0	200	75	0	0
VA	100	0	1,025	2,000	0	1,800
WA	575	525	800	125	50	200
WV	300	0	2,000	1,000	0	2,000
WI	100	0	1,300	50	0	75
WY	11,500	20,000	37,500	400	200	200
US	62,325	78,325	181,475	19,600	6,875	20,725

Sheep and Lambs: Losses from Mountain Lions, Cougars,
Pumas, and Bears by State and United States, 1994

	Mountain Lions, Cougars, Pumas			Bears		
State	Sheep	Lambs		Sheep	Lambs	
		Before Docking	After Docking		Before Docking	After Docking
	Head					
AL	0	0	0	0	0	0
AZ	100	100	100	0	175	0
AR	0	0	0	0	0	0
CA	2,275	975	1,850	275	75	325
CO	1,200	1,000	2,900	1,300	100	2,000
CT	0	0	0	0	0	0
DE	0	0	0	0	0	0
FL	0	0	0	0	0	0
GA	0	0	0	0	0	0
HI	0	0	0	0	0	0
ID	100	0	200	300	--	500
IL	0	0	0	0	0	0
IN	0	0	0	0	0	0
IA	0	0	0	0	0	0
KS	0	0	75	0	0	0
KY	0	0	0	0	0	0
LA	0	0	0	0	0	0
ME	0	0	0	0	0	0
MD	0	0	0	0	0	0
MA	0	0	0	0	0	0
MI	0	0	0	0	0	--
MN	0	0	0	0	0	0
MS	0	0	0	0	0	0
MO	0	0	0	0	0	0
MT	400	100	500	200	0	400
NE	0	0	0	25	0	0
NV	475	225	1,050	75	0	225
NH	0	0	0	25	0	0
NJ	0	0	0	0	0	0
NM	450	225	700	325	50	300
NY	0	0	0	0	0	0
NC	0	0	0	0	0	0
ND	0	0	0	0	0	0
OH	0	0	0	0	0	0
OK	0	0	0	0	0	0
OR	450	175	1,625	225	25	400
PA	0	0	0	0	0	0
RI	0	0	0	0	0	0
SC	0	0	0	0	0	0
SD	0	0	0	0	0	0
TN	0	0	0	0	0	0
TX	3,300	1,975	1,600	0	75	100
UT	2,200	1,550	5,350	875	725	1,900
VT	0	0	0	0	0	0
VA	0	0	0	0	0	0
WA	0	0	0	0	0	0
WV	0	0	0	0	0	0
WI	0	0	0	0	0	75
WY	500	400	1,100	1,000	200	1,400
US	11,450	6,725	17,050	4,625	1,425	7,625

Sheep and Lambs: Losses from Foxes and Eagles
by State and United States, 1994

	Foxes			Eagles		
State	Sheep	Lambs		Sheep	Lambs	
		Before Docking	After Docking		Before Docking	After Docking
	Head					
AL	0	0	0	0	0	0
AZ	0	0	0	0	0	0
AR	0	0	0	0	0	0
CA	0	25	0	0	275	125
CO	0	1,300	100	0	2,600	600
CT	0	0	0	0	0	0
DE	0	0	0	0	0	0
FL	0	0	--	0	0	0
GA	0	0	0	0	0	0
HI	0	0	0	0	0	0
ID	0	200	100	0	--	--
IL	0	0	0	0	0	0
IN	0	0	0	0	0	0
IA	0	0	0	0	0	25
KS	0	0	0	0	0	--
KY	0	0	--	0	0	0
LA	0	0	0	0	0	0
ME	0	0	0	0	0	--
MD	0	0	25	0	0	0
MA	0	0	0	0	0	0
MI	0	0	0	0	0	--
MN	0	0	0	0	0	--
MS	0	0	0	0	0	0
MO	0	0	0	0	0	0
MT	100	2,300	3,600	100	2,000	3,200
NE	0	0	--	0	0	--
NV	0	0	0	0	25	0
NH	0	0	0	0	0	0
NJ	0	0	0	0	0	0
NM	0	0	325	600	1,150	1,325
NY	0	0	50	0	0	0
NC	0	0	0	0	0	0
ND	0	0	75	0	0	--
OH	0	0	0	0	0	0
OK	0	0	0	0	0	0
OR	--	225	150	0	200	375
PA	0	0	--	0	0	0
RI	0	0	0	0	0	0
SC	--	0	0	0	0	50
SD	0	0	2,125	0	0	1,075
TN	0	0	0	0	0	0
TX	500	4,175	2,000	200	13,525	3,200
UT	125	375	450	0	325	125
VT	0	0	--	0	0	0
VA	0	0	25	--	0	100
WA	0	0	0	0	0	0
WV	0	0	100	0	0	0
WI	0	0	0	0	0	0
WY	100	6,500	2,400	1,000	7,200	2,900
US	825	15,100	11,525	1,900	27,300	13,100

Sheep and Lambs: Losses from Bobcats
by State and United States, 1994

State	Bobcats		
	Sheep	Lambs	
		Before Docking	After Docking
	Head		
AL	0	0	0
AZ	0	0	0
AR	0	--	0
CA	0	25	175
CO	--	--	100
CT	0	0	0
DE	0	0	0
FL	0	0	--
GA	0	0	0
HI	0	0	0
ID	--	--	--
IL	0	0	0
IN	0	0	0
IA	0	0	0
KS	0	0	200
KY	0	0	0
LA	0	0	0
ME	0	0	0
MD	0	0	0
MA	0	0	0
MI	0	0	0
MN	0	0	0
MS	0	0	--
MO	0	0	0
MT	200	100	--
NE	0	0	0
NV	75	125	225
NH	0	0	0
NJ	0	0	0
NM	700	1,400	2,800
NY	0	0	0
NC	0	0	0
ND	0	0	0
OH	0	0	0
OK	25	0	25
OR	75	0	175
PA	0	0	0
RI	0	0	0
SC	0	0	0
SD	75	0	0
TN	0	0	0
TX	1,400	9,775	2,300
UT	125	25	50
VT	0	0	0
VA	0	0	50
WA	0	0	0
WV	0	0	25
WI	0	0	0
WY	200	200	200
US	2,875	11,650	6,325

Sheep and Lambs: Losses from All Other Animals
by State and United States, 1994

State	All Other Animals		
	Sheep	Lambs	
		Before Docking	After Docking
		Head	
AL	--	0	25
AZ	0	--	0
AR	0	0	0
CA	125	175	175
CO	300	0	500
CT	50	0	0
DE	0	0	0
FL	--	0	--
GA	0	0	0
HI	0	0	0
ID	200	400	100
IL	0	0	300
IN	0	0	0
IA	50	0	--
KS	0	0	25
KY	0	0	0
LA	0	0	0
ME	0	0	0
MD	0	0	0
MA	0	0	--
MI	25	0	--
MN	250	0	325
MS	0	0	--
MO	0	0	0
MT	100	100	0
NE	--	0	50
NV	0	225	475
NH	0	0	0
NJ	0	0	0
NM	25	50	0
NY	0	0	0
NC	--	0	25
ND	0	0	--
OH	0	0	50
OK	0	0	25
OR	25	150	75
PA	0	0	0
RI	0	0	0
SC	--	0	25
SD	0	0	75
TN	0	0	--
TX	1,300	3,500	1,000
UT	50	225	25
VT	25	0	--
VA	0	0	50
WA	50	25	0
WV	50	0	25
WI	50	0	0
WY	300	300	300
US	2,975	5,150	3,650

1/ Includes wolves, ravens, crows, pigs, etc.

Sheep and Lambs: Losses from Digestive and Respiratory
Problems by State and United States, 1994

	Digestive Problems 1/			Respiratory Problems 2/		
State	Sheep	Lambs		Sheep	Lambs	
		Before Docking	After Docking		Before Docking	After Docking
	Head					
AL	75	0	350	25	0	50
AZ	275	0	600	125	125	550
AR	--	0	75	--	0	--
CA	1,850	1,200	1,800	1,375	1,775	2,700
CO	800	900	15,500	400	1,800	7,100
CT	25	0	100	75	0	75
DE	25	0	--	0	0	--
FL	25	0	100	--	0	25
GA	25	0	125	--	0	25
HI	25	0	25	--	0	0
ID	1,050	1,100	1,425	600	2,000	1,175
IL	250	0	1,325	400	0	3,650
IN	125	0	250	100	0	575
IA	975	0	5,775	800	0	9,825
KS	350	0	825	750	0	2,600
KY	100	0	275	75	0	375
LA	75	0	200	25	0	50
ME	25	0	50	25	0	25
MD	100	0	200	75	0	175
MA	--	0	100	--	0	25
MI	300	0	1,500	250	0	1,950
MN	850	0	3,050	800	0	4,075
MS	--	0	25	0	0	--
MO	300	0	825	150	0	725
MT	1,100	2,500	1,700	1,400	3,500	1,600
NE	450	0	1,200	1,100	0	2,050
NV	50	75	150	25	100	100
NH	50	0	25	--	0	150
NJ	75	0	175	25	0	150
NM	775	350	700	225	125	250
NY	400	0	450	500	0	750
NC	350	0	750	25	0	100
ND	150	0	1,800	425	0	2,275
OH	275	0	1,925	550	0	2,425
OK	475	0	1,650	350	0	1,400
OR	775	1,050	1,850	1,050	1,800	3,800
PA	850	0	1,925	175	0	1,200
RI	0	0	0	--	0	--
SC	25	0	25	--	0	--
SD	1,150	0	4,600	1,200	0	8,125
TN	75	0	100	100	0	200
TX	4,575	1,375	2,700	325	1,800	800
UT	375	1,500	700	375	1,950	900
VT	50	0	200	25	0	75
VA	500	0	1,700	300	0	1,500
WA	75	350	550	50	500	100
WV	200	0	1,000	50	0	300
WI	150	0	2,000	350	0	1,350
WY	800	2,250	4,600	1,075	1,375	2,250
US	21,375	12,650	66,975	15,750	16,850	67,600

1/ Includes bloat, scours, parasites, enterotoxemia, acidosis, etc.
2/ Includes pneumonia, shipping fever, etc.

**Sheep and Lambs: Losses from Metabolic Problems and Weather
Related Causes by State and United States, 1994**

	Metabolic Problems 1/			Weather Related Causes 2/		
State	Sheep	Lambs		Sheep	Lambs	
		Before Docking	After Docking		Before Docking	After Docking
	Head					
AL	--	0	--	--	0	225
AZ	0	75	150	575	100	550
AR	--	0	25	--	0	50
CA	925	875	450	875	2,075	1,000
CO	300	700	100	400	2,000	200
CT	25	0	0	0	0	250
DE	--	0	--	25	0	50
FL	0	0	0	--	0	0
GA	0	0	--	0	0	--
HI	0	0	0	--	0	25
ID	350	400	225	175	2,300	425
IL	150	0	775	150	0	2,250
IN	75	0	275	25	0	575
IA	125	0	850	325	0	3,875
KS	125	0	225	350	0	2,075
KY	25	0	50	200	0	2,075
LA	0	0	50	0	0	125
ME	--	0	0	0	0	100
MD	25	0	100	50	0	150
MA	--	0	125	0	0	100
MI	200	0	225	100	0	1,450
MN	850	0	475	500	0	6,125
MS	--	0	0	--	0	25
MO	125	0	150	25	0	475
MT	600	575	825	1,900	8,000	1,900
NE	75	0	200	750	0	4,850
NV	75	375	25	950	1,350	50
NH	75	0	25	0	0	150
NJ	50	0	25	175	0	650
NM	425	200	200	3,400	2,025	2,800
NY	175	0	375	175	0	2,400
NC	100	0	25	0	0	200
ND	50	0	200	175	0	1,500
OH	250	0	475	150	0	1,950
OK	50	0	325	275	0	875
OR	625	1,175	475	100	1,875	850
PA	75	0	50	25	0	1,525
RI	0	0	0	0	0	25
SC	--	0	0	--	0	25
SD	475	0	1,125	2,175	0	7,050
TN	25	0	50	50	0	475
TX	375	400	200	1,200	4,250	1,600
UT	200	1,725	600	100	3,575	500
VT	25	0	50	25	0	175
VA	300	0	1,500	300	0	1,900
WA	25	125	25	25	350	75
WV	50	0	300	250	0	2,100
WI	75	0	1,100	100	0	1,475
WY	725	1,025	1,150	3,300	7,100	1,500
US	8,200	7,650	13,575	19,375	35,000	58,775

1/ Includes milk fever, twin lamb disease, pregnancy toxemia, etc.

2/ Includes chilling, drowning, lightning, etc.

Sheep and Lambs: Losses from Theft and Poisoning
by State and United States, 1994

State	Theft			Poisoning 1/		
	Sheep	Lambs		Sheep	Lambs	
		Before Docking	After Docking		Before Docking	After Docking
	Head					
AL	0	0	25	0	0	0
AZ	0	0	125	0	0	75
AR	0	0	0	--	0	--
CA	200	225	450	575	25	125
CO	100	--	300	1,100	0	1,800
CT	0	0	0	0	0	0
DE	0	0	0	0	0	0
FL	0	0	0	0	0	0
GA	0	0	0	0	0	0
HI	0	0	0	0	0	0
ID	100	0	25	700	0	750
IL	25	0	50	75	0	250
IN	0	0	0	100	0	225
IA	0	0	0	125	0	150
KS	--	0	0	25	0	0
KY	0	0	125	25	0	0
LA	0	0	0	50	0	75
ME	0	0	0	0	0	0
MD	0	0	0	150	0	50
MA	0	0	0	0	0	0
MI	25	0	25	0	0	0
MN	0	0	0	25	0	25
MS	0	0	--	0	0	0
MO	0	0	0	--	0	0
MT	700	0	2,200	1,400	75	725
NE	0	0	100	--	0	25
NV	0	0	0	2,050	0	25
NH	0	0	0	--	0	0
NJ	25	0	0	--	0	0
NM	50	0	0	1,025	125	225
NY	0	0	0	50	0	--
NC	0	0	0	75	0	0
ND	25	0	50	--	0	--
OH	25	0	--	0	0	200
OK	0	0	25	0	0	25
OR	--	0	125	25	150	100
PA	0	0	0	--	0	25
RI	0	0	0	0	0	--
SC	0	0	0	--	0	0
SD	325	0	1,350	125	0	150
TN	0	0	0	100	0	--
TX	500	0	700	925	125	400
UT	25	0	0	825	50	500
VT	0	0	0	0	0	0
VA	25	0	0	200	0	100
WA	0	0	50	25	0	0
WV	50	0	75	50	0	50
WI	--	0	25	--	0	150
WY	2,500	0	500	2,400	200	2,600
US	4,700	225	6,325	12,225	750	8,825

1/ Includes nitrate poisoning, noxious feeds, noxious weeds, etc.

Sheep and Lambs: Losses From Lambing Problems
by State and United States, 1994

State	Lambing Problems 1/	
	Sheep	Lambs
	Head	
AL	0	25
AZ	50	250
AR	--	25
CA	1,100	3,700
CO	400	2,800
CT	--	200
DE	0	0
FL	--	--
GA	--	25
HI	25	--
ID	1,050	5,300
IL	500	2,425
IN	150	750
IA	1,375	3,700
KS	1,675	1,100
KY	125	500
LA	25	225
ME	50	100
MD	100	500
MA	50	75
MI	325	1,675
MN	625	1,525
MS	--	--
MO	375	750
MT	1,400	9,300
NE	400	1,900
NV	725	425
NH	150	225
NJ	150	575
NM	450	800
NY	950	700
NC	125	350
ND	150	1,625
OH	400	2,025
OK	400	900
OR	750	4,650
PA	625	2,250
RI	--	--
SC	--	--
SD	1,000	3,700
TN	125	375
TX	1,475	3,125
UT	975	4,650
VT	25	1,475
VA	900	3,050
WA	200	1,250
WV	1,000	2,400
WI	175	1,375
WY	2,200	7,200
US	22,750	79,975

1/ Includes all lambs born in the Eastern United States and lambs before and after docking in the West.

Sheep and Lambs: Losses from Other Causes and Unknown
Causes by State and United States, 1994

State	Other Causes 1/			Unknown Causes		
	Sheep	Lambs		Sheep	Lambs	
		Before Docking	After Docking		Before Docking	After Docking
	Head					
AL	25	0	175	25	0	25
AZ	200	1,350	0	25	0	300
AR	--	0	--	--	0	25
CA	6,325	850	800	1,425	1,775	1,600
CO	3,300	900	4,000	1,700	1,900	6,000
CT	100	0	25	50	0	50
DE	--	0	0	0	0	--
FL	--	0	0	--	0	75
GA	--	0	0	--	0	--
HI	50	0	25	1,550	0	1,900
ID	2,050	1,700	1,000	2,125	2,900	3,075
IL	1,050	0	350	375	0	700
IN	325	0	400	175	0	525
IA	2,200	0	1,575	825	0	1,725
KS	1,675	0	825	925	0	2,325
KY	125	0	50	100	0	225
LA	100	0	25	100	0	50
ME	25	0	75	25	0	100
MD	325	0	325	75	0	200
MA	350	0	150	--	0	25
MI	1,250	0	1,000	750	0	1,150
MN	2,075	0	1,375	2,200	0	2,225
MS	--	0	25	--	0	25
MO	225	0	100	175	0	650
MT	10,300	700	1,400	3,600	1,250	2,450
NE	1,000	0	650	325	0	425
NV	200	0	25	150	375	250
NH	75	0	25	--	0	250
NJ	125	0	50	25	0	25
NM	3,750	1,000	600	3,925	975	4,225
NY	1,400	0	150	650	0	475
NC	125	0	75	200	0	75
ND	1,425	0	1,800	775	0	1,750
OH	1,425	0	1,075	400	0	1,000
OK	950	0	425	475	0	950
OR	4,625	200	500	1,775	900	1,200
PA	1,150	0	675	400	0	1,525
RI	--	0	--	--	0	--
SC	--	0	0	--	0	0
SD	9,075	0	1,400	2,050	0	4,750
TN	125	0	50	175	0	125
TX	9,700	2,000	3,300	10,525	7,925	9,300
UT	2,500	325	700	2,750	3,375	3,750
VT	250	0	75	75	0	50
VA	900	0	1,000	2,475	0	1,200
WA	500	125	25	350	200	175
WV	400	0	300	1,200	0	1,250
WI	1,150	0	525	800	0	2,625
WY	7,000	850	1,400	0	0	0
US	79,925	10,000	28,525	45,725	21,575	60,800

1/ Includes lameness, old age, on back, diseases not reported earlier, etc.

Sheep and Lambs: Losses from All Causes by Size
Group, State, and United States, 1994 1/

State:	All Causes			
	1 - 24 Head	25 - 99 Head	100 - 999 Head	1,000+ Head
	Head			
AL	2,975	350	175	0
AZ	225	450	200	7,125
AR	175	200	75	0
CA	2,425	6,700	12,325	26,550
CO	1,950	2,300	8,350	57,400
CT	850	325	525	0
DE	25	75	0	0
FL	150	250	50	0
GA	50	375	--	25
HI	75	75	75	3,475
ID	450	1,100	5,900	22,550
IL	3,675	10,350	3,975	0
IN	1,475	3,600	800	125
IA	9,975	14,425	10,300	3,300
KS	4,350	5,650	7,250	750
KY	2,875	1,900	850	175
LA	375	1,525	200	0
ME	125	400	175	0
MD	1,125	800	925	150
MA	925	250	75	50
MI	3,500	5,650	4,525	325
MN	3,425	18,500	7,075	1,000
MS	75	125	100	100
MO	1,850	3,100	1,525	125
MT	1,425	4,600	29,900	33,075
NE	2,100	8,500	5,500	1,900
NV	225	750	450	19,575
NH	825	225	250	0
NJ	1,125	1,100	175	0
NM	2,475	4,850	7,675	27,000
NY	1,850	4,350	3,975	825
NC	1,375	1,350	675	0
ND	950	3,700	11,925	1,425
OH	2,800	7,025	7,125	50
OK	2,300	4,000	4,125	1,575
OR	4,475	6,225	12,250	13,050
PA	5,375	4,000	4,600	25
RI	50	50	--	0
SC	25	125	100	0
SD	3,600	11,400	37,800	12,200
TN	1,325	950	325	--
TX	2,350	7,100	41,050	45,500
UT	2,200	2,650	10,625	34,525
VT	2,200	475	350	75
VA	13,350	5,300	3,750	600
WA	1,000	1,175	1,100	725
WV	3,475	10,600	2,325	200
WI	6,400	5,450	2,500	650
WY	1,400	3,775	18,650	71,175
US	107,775	178,200	272,650	387,375

1/ Lambs after docking.

Sheep and Lambs: Losses from Predators by Size
Group, State, and United States, 1994 1/

State:	Predators			
	1 - 24 Head	25 - 99 Head	100 - 999 Head	1,000+ Head
	Head			
AL	2,175	175	125	0
AZ	0	425	175	3,800
AR	150	75	25	0
CA	1,450	4,100	6,700	12,175
CO	675	1,425	5,200	19,200
CT	525	200	0	0
DE	0	0	0	0
FL	100	100	25	0
GA	25	225	0	0
HI	25	50	0	0
ID	175	450	1,525	11,550
IL	1,050	1,775	425	0
IN	325	825	125	75
IA	1,675	1,200	825	75
KS	225	750	1,075	100
KY	575	325	275	175
LA	200	575	150	0
ME	0	0	100	0
MD	175	0	225	0
MA	200	50	25	25
MI	500	825	425	75
MN	350	2,100	750	0
MS	50	100	75	75
MO	675	375	450	50
MT	700	2,150	14,550	16,400
NE	525	850	1,050	75
NV	100	350	400	15,300
NH	75	25	0	0
NJ	75	25	0	0
NM	650	3,275	4,200	10,850
NY	625	225	450	100
NC	675	125	25	0
ND	150	475	2,850	350
OH	225	900	1,325	0
OK	350	1,050	950	100
OR	1,700	3,175	6,525	5,975
PA	100	125	1,300	0
RI	50	25	0	0
SC	25	125	25	0
SD	325	2,225	8,225	4,400
TN	250	175	25	0
TX	800	2,000	19,150	25,450
UT	950	975	7,050	25,250
VT	250	150	75	50
VA	3,875	650	550	75
WA	175	400	475	700
WV	625	4,300	575	75
WI	900	50	250	375
WY	1,100	2,350	12,300	45,250
US	26,575	42,300	101,025	198,150

1/ Lambs after docking.

Sheep and Lambs: Losses from Causes Other Than Predators
by Size Group, State, and United States, 1994 1/

State	Causes Other Than Predators			
	1 - 24 Head	25 - 99 Head	100 - 999 Head	1,000+ Head
	Head			
AL	800	175	50	0
AZ	225	25	25	3,325
AR	25	125	50	0
CA	975	2,600	5,625	14,375
CO	1,275	875	3,150	38,200
CT	325	125	525	0
DE	25	75	0	0
FL	50	150	25	0
GA	25	150	0	25
HI	50	25	75	3,475
ID	275	650	4,375	11,000
IL	2,625	8,575	3,550	0
IN	1,150	2,775	675	50
IA	8,300	13,225	9,475	3,225
KS	4,125	4,900	6,175	650
KY	2,300	1,575	575	0
LA	175	950	50	0
ME	125	400	75	0
MD	950	800	700	150
MA	725	200	50	25
MI	3,000	4,825	4,100	250
MN	3,075	16,400	6,325	1,000
MS	25	25	25	25
MO	1,175	2,725	1,075	75
MT	725	2,450	15,350	16,675
NE	1,575	7,650	4,450	1,825
NV	125	400	50	4,275
NH	750	200	250	0
NJ	1,050	1,075	175	0
NM	1,825	1,575	3,475	16,150
NY	1,225	4,125	3,525	725
NC	700	1,225	650	0
ND	800	3,225	9,075	1,075
OH	2,575	6,125	5,800	50
OK	1,950	2,950	3,175	1,475
OR	2,775	3,050	5,725	7,075
PA	5,275	3,875	3,300	25
RI	0	25	0	0
SC	0	0	75	0
SD	3,275	9,175	29,575	7,800
TN	1,075	775	300	0
TX	1,550	5,100	21,900	20,050
UT	1,250	1,675	3,575	9,275
VT	1,950	325	275	25
VA	9,475	4,650	3,200	525
WA	825	775	625	25
WV	2,850	6,300	1,750	125
WI	5,500	5,400	2,250	275
WY	300	1,425	6,350	25,925
US	81,200	135,900	171,625	189,225

1/ Lambs after docking.

Sheep and Lambs: Losses from Coyotes and Dogs by Size
Group, State, and United States, 1994 1/

State:	Coyotes				Dogs			
	1-24 Head	25-99 Head	100-999 Head	1,000+ Head	1-24 Head	25-99 Head	100-999 Head	1,000+ Head
AL	2,125	100	75	0	50	75	25	0
AZ	0	50	175	3,375	0	375	0	225
AR	0	75	25	0	150	--	--	0
CA	100	1,625	5,775	9,050	750	275	200	1,325
CO	525	800	2,450	11,425	100	175	1,325	700
CT	475	200	0	0	0	0	0	0
DE	0	0	0	0	0	0	0	0
FL	75	50	25	0	25	50	--	0
GA	0	225	0	--	25	--	0	--
HI	0	0	0	0	25	50	--	0
ID	75	275	1,100	10,050	50	175	300	175
IL	625	650	275	0	325	925	150	0
IN	25	375	75	0	300	450	50	75
IA	250	500	425	50	1,425	675	350	25
KS	25	225	850	75	200	425	50	--
KY	350	175	200	150	225	150	75	25
LA	200	575	100	0	0	0	50	0
ME	0	--	100	0	0	0	0	0
MD	0	0	0	0	175	0	200	0
MA	150	--	25	25	50	50	0	0
MI	400	200	225	--	75	625	200	75
MN	25	800	250	--	175	1,300	75	--
MS	25	50	25	50	25	50	50	25
MO	50	375	100	--	625	--	350	50
MT	500	1,450	11,450	10,700	25	350	450	75
NE	525	700	850	75	0	125	150	0
NV	25	350	325	12,750	25	0	75	0
NH	50	25	0	0	0	0	0	0
NJ	0	0	0	0	75	25	0	0
NM	75	2,250	1,675	5,550	575	325	275	700
NY	25	125	250	75	600	100	150	25
NC	0	--	0	0	675	125	--	0
ND	50	325	2,625	350	100	100	200	0
OH	175	500	700	0	50	400	575	0
OK	125	475	675	25	225	525	250	75
OR	1,000	2,100	4,825	3,925	650	275	750	275
PA	25	75	1,175	0	75	50	125	0
RI	25	25	0	0	25	0	0	0
SC	25	--	25	0	0	50	0	0
SD	200	1,675	6,325	2,500	125	475	450	75
TN	50	25	25	0	200	150	--	0
TX	400	1,450	10,475	14,775	275	325	1,925	875
UT	575	575	4,775	15,950	375	325	225	150
VT	175	150	50	50	75	0	0	0
VA	400	375	350	--	3,450	225	100	25
WA	125	225	325	700	50	175	100	0
WV	225	1,800	200	75	375	2,425	200	0
WI	800	0	225	375	50	50	25	0
WY	925	1,850	9,850	36,375	25	100	300	175
US	12,000	23,850	69,450	138,500	12,875	12,525	9,775	5,150

1/ Lambs after docking.

Sheep and Lambs: Losses from Mountain Lions, Cougars, Pumas,
and Bears by Size Group, State, and United States, 1994 1/

	Mountain Lions, Cougars, Pumas				Bears			
State:	1-24	25-99	100-999	1,000+	1-24	25-99	100-999	1,000+
	Head	Head	Head	Head	Head	Head	Head	Head
	Head							
AL	0	0	0	0	0	0	0	0
AZ	0	0	0	200	0	0	0	0
AR	0	0	0	0	0	0	0	0
CA	175	2,200	550	1,200	375	0	0	225
CO	0	400	650	3,050	0	50	375	2,875
CT	0	0	0	0	0	0	0	0
DE	0	0	0	0	0	0	0	0
FL	0	0	0	0	0	0	0	0
GA	0	0	0	0	0	0	0	0
HI	0	0	0	0	0	0	0	0
ID	0	0	25	275	0	--	25	775
IL	0	0	0	0	0	0	0	0
IN	0	0	0	0	0	0	0	0
IA	0	0	0	0	0	0	0	0
KS	0	0	75	0	0	0	0	0
KY	0	0	0	0	0	0	0	0
LA	0	0	0	0	0	0	0	0
ME	0	0	0	0	0	0	0	0
MD	0	0	0	0	0	0	0	0
MA	0	0	0	0	0	0	0	0
MI	0	0	0	0	0	0	0	0
MN	0	0	0	0	0	0	0	0
MS	0	0	0	0	0	0	0	0
MO	0	0	0	0	0	0	0	0
MT	25	--	300	575	100	125	125	250
NE	0	0	0	0	0	25	0	0
NV	50	0	0	1,475	0	0	0	300
NH	0	0	0	0	25	0	0	0
NJ	0	0	0	0	0	0	0	0
NM	0	25	500	625	0	50	75	500
NY	0	0	0	0	0	0	0	0
NC	0	0	0	0	0	0	0	0
ND	0	0	0	0	0	0	0	0
OH	0	0	0	0	0	0	0	0
OK	0	0	0	0	0	0	0	0
OR	0	425	450	1,200	50	0	200	375
PA	0	0	0	0	0	0	0	0
RI	0	0	0	0	0	0	0	0
SC	0	0	0	0	0	0	0	0
SD	0	0	0	0	0	0	0	0
TN	0	0	0	0	0	0	0	0
TX	25	25	1,400	3,450	0	0	0	100
UT	0	50	1,200	6,300	0	0	625	2,150
VT	0	0	0	0	0	0	0	0
VA	0	0	0	0	0	0	0	0
WA	0	0	0	0	0	0	75	0
WV	0	0	0	0	0	0	0	0
WI	0	0	0	0	0	0	0	0
WY	0	50	375	1,175	0	--	100	2,300
US	275	3,175	5,525	19,525	550	250	1,600	9,850

1/ Lambs after docking.

Sheep and Lambs: Losses from Foxes and Eagles
by Size Group, State, and United States, 1994 1/

State:	Foxes				Eagles			
	1-24 Head	25-99 Head	100-999 Head	1,000+ Head	1-24 Head	25-99 Head	100-999 Head	1,000+ Head
AL	0	0	0	0	0	0	0	0
AZ	0	0	0	0	0	0	0	0
AR	0	0	0	0	0	0	0	0
CA	0	0	0	0	0	0	100	25
CO	0	--	50	50	0	0	200	400
CT	0	0	0	0	0	0	0	0
DE	0	0	0	0	0	0	0	0
FL	0	--	0	0	0	0	0	0
GA	0	0	0	0	0	0	0	0
HI	0	0	0	0	0	0	0	0
ID	50	0	--	50	--	0	0	--
IL	0	0	0	0	0	0	0	0
IN	0	0	0	0	0	0	0	0
IA	0	0	0	0	0	25	0	0
KS	0	0	0	0	0	0	--	0
KY	0	--	0	0	0	0	0	0
LA	0	0	0	0	0	0	0	0
ME	0	0	0	0	0	0	--	0
MD	0	0	25	0	0	0	0	0
MA	0	0	0	0	0	0	0	0
MI	0	0	0	0	--	0	0	0
MN	0	0	0	0	0	--	0	0
MS	0	0	0	0	0	0	0	0
MO	0	0	0	0	0	0	0	0
MT	50	175	1,200	2,275	0	50	875	2,375
NE	0	0	--	0	0	0	--	0
NV	0	0	0	0	0	0	0	0
NH	0	0	0	0	0	0	0	0
NJ	0	0	0	0	0	0	0	0
NM	0	325	0	0	0	0	725	1,200
NY	0	0	50	0	0	0	0	0
NC	0	0	0	0	0	0	0	0
ND	0	50	25	0	0	0	--	0
OH	0	0	0	0	0	0	0	0
OK	0	0	0	0	0	0	0	0
OR	0	0	75	75	0	150	100	125
PA	0	0	--	0	0	0	0	0
RI	0	0	0	0	0	0	0	0
SC	0	0	--	0	0	50	0	0
SD	0	0	925	1,200	0	0	450	625
TN	0	0	0	0	0	0	0	0
TX	0	50	1,400	1,050	0	0	2,100	1,300
UT	0	25	75	475	0	0	100	25
VT	0	0	--	0	0	0	0	0
VA	25	0	0	0	0	--	100	0
WA	0	0	0	0	0	0	0	0
WV	0	25	75	0	0	0	0	0
WI	0	0	0	0	0	0	0	0
WY	75	275	600	1,550	50	25	950	2,875
US	200	925	4,500	6,725	50	300	5,700	8,950

1/ Lambs after docking.

Sheep and Lambs: Losses from Bobcats
Group, State, and United States, 1994 1/

State:	Bobcats			
	1-24 Head	25-99 Head	100-999 Head	1,000+ Head
AL	0	0	0	0
AZ	0	0	0	0
AR	0	0	0	0
CA	50	0	75	50
CO	0	0	25	75
CT	0	0	0	0
DE	0	0	0	0
FL	0	0	0	0
GA	0	0	0	0
HI	0	0	0	0
ID	0	0	0	0
IL	0	0	0	0
IN	0	0	0	0
IA	0	0	0	0
KS	0	100	75	25
KY	0	0	0	0
LA	0	0	0	0
ME	0	0	0	0
MD	0	0	0	0
MA	0	0	0	0
MI	0	0	0	0
MN	0	0	0	0
MS	0	0	0	0
MO	0	0	0	0
MT	0	0	150	50
NE	0	0	0	0
NV	0	0	0	300
NH	0	0	0	0
NJ	0	0	0	0
NM	0	275	950	2,275
NY	0	0	0	0
NC	0	0	0	0
ND	0	0	0	0
OH	0	0	0	0
OK	0	25	25	0
OR	0	200	50	0
PA	0	0	0	0
RI	0	0	0	0
SC	0	0	0	0
SD	0	75	0	0
TN	0	0	0	0
TX	0	25	1,300	2,375
UT	0	0	50	125
VT	0	0	0	0
VA	0	50	0	0
WA	0	0	0	0
WV	0	25	0	0
WI	0	0	0	0
WY	0	25	75	300
US	50	800	2,775	5,575

1/ Lambs after docking.

Sheep and Lambs: Losses from All Other Animals by Size
Group, State, and United States, 1994 1/

State:	All Other Animals 2/			
	1 - 24 Head	25 - 99 Head	100 - 999 Head	1,000+ Head
	Head			
AL	0	0	25	0
AZ	0	0	0	0
AR	0	0	0	0
CA	0	0	0	300
CO	50	0	125	625
CT	50	--	0	0
DE	0	0	0	0
FL	--	--	--	0
GA	0	0	0	0
HI	0	0	0	0
ID	0	0	75	225
IL	100	200	0	0
IN	0	0	0	0
IA	0	--	50	0
KS	0	0	25	0
KY	0	0	0	0
LA	0	0	0	0
ME	0	0	0	0
MD	0	0	0	0
MA	0	0	--	0
MI	25	0	0	0
MN	150	0	425	0
MS	0	0	--	0
MO	0	0	0	0
MT	0	0	0	100
NE	0	--	50	0
NV	0	0	0	475
NH	0	0	0	0
NJ	0	0	0	0
NM	0	25	0	0
NY	0	0	0	0
NC	--	0	25	0
ND	0	0	--	0
OH	0	0	50	0
OK	0	25	0	0
OR	0	25	75	--
PA	0	0	0	0
RI	0	0	0	0
SC	0	25	--	0
SD	0	0	75	0
TN	0	--	0	0
TX	100	125	550	1,525
UT	0	0	0	75
VT	--	--	25	0
VA	0	--	--	50
WA	0	0	50	0
WV	25	25	25	0
WI	50	0	0	0
WY	25	25	50	500
US	575	475	1,700	3,875

1/ Lambs after docking. 2/ Includes wolves, ravens, crows, pigs, etc.

Sheep and Lambs: Losses from Digestive and Respiratory Problems
by Size Group, State, and United States, 1994 1/

State	Digestive Problems 2/				Respiratory Problems 3/			
	1-24 Head	25-99 Head	100-999 Head	1,000+ Head	1-24 Head	25-99 Head	100-999 Head	1,000+ Head
AL	350	50	25	0	0	75	0	0
AZ	25	0	0	850	50	0	25	600
AR	0	75	0	--	0	0	--	0
CA	100	425	275	2,850	100	300	750	2,925
CO	150	275	725	15,150	100	100	350	6,950
CT	100	--	25	0	0	--	150	0
DE	25	--	0	0	0	--	0	0
FL	25	75	25	0	25	--	--	0
GA	25	125	--	--	--	25	0	--
HI	--	--	50	0	0	--	0	0
ID	50	200	700	1,525	--	100	450	1,225
IL	275	800	500	0	475	2,725	850	0
IN	25	250	75	25	100	350	200	25
IA	1,200	2,000	2,300	1,250	2,250	2,825	3,775	1,775
KS	75	175	825	100	925	550	1,675	200
KY	100	150	125	--	25	75	350	--
LA	75	175	25	0	25	25	25	0
ME	25	50	--	0	25	--	25	0
MD	200	25	75	0	25	125	100	0
MA	75	--	25	0	--	25	--	--
MI	150	875	725	50	700	700	700	100
MN	500	1,400	1,600	400	750	1,775	1,875	475
MS	--	25	--	0	0	0	--	0
MO	175	675	225	50	125	550	200	--
MT	50	350	1,275	1,125	25	275	1,425	1,275
NE	125	825	400	300	175	675	1,850	450
NV	25	0	--	175	--	25	25	75
NH	0	25	50	0	75	25	50	0
NJ	150	75	25	0	100	50	25	0
NM	25	150	375	925	0	25	75	375
NY	125	125	525	75	175	250	550	275
NC	300	475	325	0	0	125	--	0
ND	150	400	1,025	375	125	325	1,825	425
OH	600	575	1,000	25	250	1,375	1,325	25
OK	100	675	825	525	125	475	875	275
OR	400	500	800	925	475	675	1,125	2,575
PA	1,800	425	550	0	550	350	475	--
RI	--	--	0	0	--	--	--	0
SC	0	--	50	0	0	--	--	0
SD	350	1,225	3,600	575	250	1,375	6,550	1,150
TN	50	50	75	0	250	--	50	--
TX	525	525	3,000	3,225	--	--	350	775
UT	50	150	475	400	75	325	250	625
VT	150	25	75	--	--	25	75	0
VA	775	750	650	25	225	750	550	275
WA	375	100	150	0	25	--	125	0
WV	150	600	450	0	0	175	175	0
WI	250	1,400	500	0	325	800	575	0
WY	25	325	575	4,475	25	50	525	2,725
US	10,275	17,575	25,100	35,400	8,950	18,475	30,350	25,575

1/ Lambs after docking. 2/ Includes bloat, scours, parasites, enterotoxemia, acidosis, etc. 3/ Includes pneumonia, shipping fever, etc.

Sheep and Lambs: Losses from Metabolic Problems and Weather Related
Causes by Size Group, State, and United States, 1994 1/

State:	Metabolic Problems 2/				Weather Related Causes 3/			
	1-24 Head	25-99 Head	100-999 Head	1,000+ Head	1-24 Head	25-99 Head	100-999 Head	1,000+ Head
AL	0	--	--	0	200	--	25	0
AZ	0	0	0	150	0	0	0	1,125
AR	25	--	--	0	0	50	--	0
CA	0	75	150	1,150	0	75	1,000	800
CO	--	--	75	325	--	25	100	475
CT	25	--	0	0	100	--	150	0
DE	0	--	0	0	0	75	0	0
FL	0	0	0	0	0	--	0	0
GA	0	--	0	0	--	--	0	0
HI	0	0	0	0	0	0	25	0
ID	0	25	75	475	25	25	200	350
IL	25	675	225	0	475	1,225	700	0
IN	150	150	50	--	50	475	75	--
IA	250	350	350	25	1,500	1,850	825	25
KS	150	25	125	50	1,175	375	875	0
KY	--	50	25	0	1,525	675	75	--
LA	0	50	0	0	50	75	--	0
ME	0	0	--	0	0	100	--	0
MD	25	25	75	0	100	25	75	0
MA	125	--	--	0	25	50	--	25
MI	75	175	175	--	325	950	250	25
MN	75	950	300	0	625	5,400	600	--
MS	0	0	--	0	0	0	--	25
MO	25	50	200	--	100	350	50	--
MT	50	125	350	900	75	100	1,825	1,800
NE	--	75	200	--	450	4,650	475	25
NV	0	25	0	75	0	0	0	1,000
NH	75	25	--	0	25	100	25	0
NJ	50	25	--	0	125	625	75	0
NM	50	100	100	375	0	0	550	5,650
NY	175	75	125	175	300	1,550	675	50
NC	0	100	25	0	25	125	50	0
ND	0	--	150	100	150	675	800	50
OH	75	300	350	0	400	875	825	0
OK	75	0	175	125	75	600	450	25
OR	250	75	300	475	75	225	375	275
PA	25	75	--	25	800	525	225	0
RI	0	0	0	0	--	25	--	0
SC	0	--	0	0	0	0	25	0
SD	25	300	1,125	150	375	2,075	4,775	2,000
TN	25	--	50	0	250	200	75	--
TX	25	0	300	250	125	200	875	1,600
UT	250	25	100	425	50	75	175	300
VT	50	25	--	--	75	75	25	25
VA	975	550	250	25	475	1,150	575	0
WA	0	25	25	0	25	--	75	0
WV	250	0	100	0	850	1,275	225	0
WI	900	200	75	0	350	825	150	250
WY	50	325	75	1,425	50	50	1,825	2,875
US	4,325	5,050	5,700	6,700	11,400	27,800	20,175	18,775

1/ Lambs after docking. 2/ Includes milk fever, twin lamb disease, pregnancy, toxemia, etc. 3/ Includes chilling, drowning, lightning, etc.

Sheep and Lambs: Losses from Theft and Poisoning
by Size Group, State, and United States, 1994 1/

State:	Theft				Poisoning 2/			
	1-24 Head	25-99 Head	100-999 Head	1,000+ Head	1-24 Head	25-99 Head	100-999 Head	1,000+ Head
AL	25	0	0	0	0	0	0	0
AZ	0	0	0	125	75	0	0	0
AR	0	0	0	0	0	--	--	0
CA	0	0	25	625	0	100	0	600
CO	0	0	225	175	0	50	125	2,725
CT	0	0	0	0	0	0	0	0
DE	0	0	0	0	0	0	0	0
FL	0	0	0	0	0	0	0	0
GA	0	0	0	0	0	0	0	0
HI	0	0	0	0	0	0	0	0
ID	0	50	0	75	0	--	150	1,300
IL	75	0	0	0	100	100	125	0
IN	0	0	0	0	50	275	--	0
IA	0	0	0	0	75	175	25	0
KS	0	0	0	0	0	0	25	0
KY	0	125	0	0	--	25	0	0
LA	0	0	0	0	--	125	0	0
ME	0	0	0	0	0	0	0	0
MD	0	0	0	0	125	50	25	0
MA	0	0	0	0	0	0	0	0
MI	0	0	50	0	0	0	0	0
MN	0	0	0	0	0	25	25	0
MS	0	0	--	0	0	0	0	0
MO	0	0	0	0	0	--	0	0
MT	0	0	650	2,250	0	25	700	1,400
NE	0	100	0	0	--	0	25	0
NV	0	0	0	0	0	0	0	2,075
NH	0	0	0	0	0	0	--	0
NJ	0	0	25	0	0	0	--	0
NM	0	0	0	50	275	0	75	900
NY	0	0	0	0	0	50	--	0
NC	0	0	0	0	50	25	0	0
ND	0	0	75	0	0	0	--	0
OH	0	0	25	0	0	50	150	0
OK	25	0	0	0	0	25	0	0
OR	0	25	0	100	0	--	--	125
PA	0	0	0	0	0	25	--	0
RI	0	0	0	0	--	0	0	0
SC	0	0	0	0	0	0	--	0
SD	0	225	375	1,075	0	50	200	25
TN	0	0	0	0	0	100	--	0
TX	0	0	1,200	0	0	0	900	425
UT	0	0	25	0	50	25	375	875
VT	0	0	0	0	0	0	0	0
VA	0	25	0	0	100	150	50	0
WA	--	0	50	0	25	--	0	0
WV	50	0	25	50	0	75	25	0
WI	0	25	0	0	0	100	50	0
WY	0	50	550	2,400	--	25	550	4,425
US	175	625	3,300	6,925	925	1,650	3,600	14,875

1/ Lambs after docking. 2/ Includes nitrate poisoning, noxious feeds, noxious weeds, etc.

Sheep: Losses from Lambing Problems by Size
Group, State, and United States, 1994

State	Lambing Problems 1/			
	1 - 24 Head	25 - 99 Head	100 - 999 Head	1,000+ Head
	Head			
AL	0	25	0	0
AZ	25	25	75	175
AR	--	--	25	0
CA	575	1,625	750	1,850
CO	525	425	575	1,675
CT	50	75	75	0
DE	0	0	0	0
FL	0	0	--	0
GA	0	--	--	25
HI	0	0	--	25
ID	325	2,450	1,200	2,375
IL	800	1,600	525	0
IN	325	500	75	0
IA	1,275	2,850	950	--
KS	750	1,250	675	100
KY	400	225	0	--
LA	0	250	0	0
ME	25	125	--	0
MD	300	175	125	0
MA	50	50	25	0
MI	375	825	800	0
MN	475	975	700	0
MS	0	--	--	0
MO	275	650	175	25
MT	950	3,750	3,125	2,875
NE	350	675	800	475
NV	175	325	50	600
NH	300	25	50	0
NJ	550	175	--	0
NM	125	150	525	450
NY	150	925	500	75
NC	300	125	50	0
ND	225	350	1,125	75
OH	700	900	825	--
OK	250	550	400	100
OR	2,175	1,300	1,000	925
PA	750	1,300	825	0
RI	--	--	0	0
SC	--	0	--	0
SD	275	1,025	3,025	375
TN	225	250	25	0
TX	300	800	1,475	2,025
UT	1,850	1,450	1,250	1,075
VT	1,325	100	75	--
VA	2,400	975	575	--
WA	525	450	375	100
WV	850	2,325	225	0
WI	600	500	425	25
WY	2,825	2,725	1,275	2,575
US	24,725	35,250	24,750	18,000

1/ Includes all lambs born in the Eastern United States and lambs before and after docking in the West.

Sheep and Lambs: Losses from Other and Unknown Causes
by Size Group, State, and United States, 1994 1/

State	Other Causes 2/				Unknown Causes			
	1-24 Head	25-99 Head	100-999 Head	1,000+ Head	1-24 Head	25-99 Head	100-999 Head	1,000+ Head
AL	200	--	--	0	25	25	--	0
AZ	25	0	0	175	25	0	0	300
AR	0	--	--	0	--	--	25	0
CA	525	1,125	2,800	2,675	175	375	525	1,950
CO	650	225	875	5,550	350	175	625	6,550
CT	0	25	100	0	50	25	25	0
DE	0	--	0	0	0	--	0	0
FL	--	--	--	0	--	75	0	0
GA	--	0	0	--	--	--	0	0
HI	0	25	--	50	50	0	0	3,400
ID	75	75	300	2,600	100	125	2,400	2,575
IL	150	875	375	0	250	575	250	0
IN	175	425	125	0	275	350	75	--
IA	575	2,175	875	150	1,175	1,000	375	--
KS	775	700	925	100	275	1,825	1,050	100
KY	100	75	--	0	150	175	--	0
LA	--	125	--	0	25	125	0	0
ME	50	25	25	0	--	100	25	0
MD	50	325	125	150	125	50	100	0
MA	450	50	--	0	0	25	--	0
MI	525	525	1,125	75	850	775	275	--
MN	350	2,225	825	50	300	3,650	400	75
MS	--	--	25	0	25	--	--	0
MO	75	175	75	--	400	275	150	0
MT	375	1,150	5,925	4,250	100	375	2,575	3,000
NE	325	350	400	575	150	300	300	0
NV	75	75	--	75	--	100	0	300
NH	50	--	50	0	225	--	25	0
NJ	75	75	25	0	--	50	--	0
NM	825	575	950	2,000	650	700	1,175	5,625
NY	100	950	425	75	200	200	725	--
NC	25	75	100	0	0	175	100	0
ND	50	875	2,275	25	100	600	1,800	25
OH	325	1,200	975	--	225	850	325	0
OK	625	375	275	100	675	250	175	325
OR	725	900	2,025	1,475	575	600	900	900
PA	450	475	900	--	900	700	325	0
RI	--	--	--	0	0	--	0	0
SC	0	--	0	0	0	--	0	0
SD	450	1,825	6,550	1,650	1,550	1,075	3,375	800
TN	175	0	--	0	100	175	25	0
TX	650	1,225	7,325	3,800	175	2,950	7,350	9,350
UT	375	525	350	1,950	200	500	1,675	4,125
VT	275	25	25	--	75	50	--	0
VA	1,475	50	375	0	3,050	250	175	200
WA	150	300	75	0	200	275	50	0
WV	50	300	325	25	650	1,550	200	50
WI	550	825	300	0	2,525	725	175	0
WY	125	400	2,050	5,825	0	0	0	0
US	13,050	21,725	40,275	33,400	16,950	22,175	27,750	39,650

1/ Lambs after docking. 2/ Includes lameness, old age, on back, diseases not reported earlier, etc.

Lambs: Losses Before Docking From All Causes by Size
Group, State, and United States, 1994

State	All Causes			
	1 - 24 Head	25 - 99 Head	100 - 999 Head	1,000+ Head
	Head			
AZ	1,550	25	50	2,375
CA	1,750	7,300	4,925	10,025
CO	1,050	1,750	4,025	13,175
ID	1,900	1,050	4,250	13,800
MT	1,450	2,825	14,850	15,875
NV	475	425	250	3,850
NM	1,425	1,150	2,475	6,950
OR	2,775	2,775	5,950	2,700
TX	2,075	5,150	37,100	33,675
UT	3,000	2,600	5,450	17,950
WA	450	1,825	775	450
WY	450	2,800	11,800	39,950
Total				
12-Sts	18,350	29,675	91,900	160,775

Lambs: Losses Before Docking From Predators and Causes Other Than
Predators by Size Group, State, and United States, 1994

State	Predators				Causes Other Than Predators			
	1-24 Head	25-99 Head	100-999 Head	1,000+ Head	1-24 Head	25-99 Head	100-999 Head	1,000+ Head
	Head							
AZ	0	25	25	2,050	1,550	0	25	325
CA	575	4,350	2,175	4,400	1,175	2,950	2,750	5,625
CO	50	350	750	7,850	1,000	1,400	3,275	5,325
ID	1,475	50	1,075	2,700	425	1,000	3,175	11,100
MT	50	125	2,900	6,025	1,400	2,700	11,950	9,850
NV	0	50	125	2,125	475	375	125	1,725
NM	125	425	1,575	4,275	1,300	725	900	2,675
OR	325	350	1,150	575	2,450	2,425	4,800	2,125
TX	500	2,200	27,100	27,200	1,575	2,950	10,000	6,475
UT	325	425	1,200	9,900	2,675	2,175	4,250	8,050
WA	0	300	175	125	450	1,525	600	325
WY	200	1,000	6,300	27,500	250	1,800	5,500	12,450
Total								
12-Sts	3,625	9,650	44,550	94,725	14,725	20,025	47,350	66,050

Lambs: Losses Before Docking From Coyotes and Dogs
by Size Group, State, and United States, 1994

State	Coyotes				Dogs			
	1-24	25-99	100-999	1,000+	1-24	25-99	100-999	1,000+
	Head	Head	Head	Head	Head	Head	Head	Head
	Head							
AZ	0	25	25	1,550	0	0	0	225
CA	25	1,175	1,575	3,350	550	2,650	100	525
CO	50	325	450	2,875	--	--	150	150
ID	1,325	25	850	2,100	125	--	175	100
MT	25	100	1,675	2,600	25	25	50	0
NV	0	50	100	1,550	0	0	0	0
NM	0	375	925	2,025	75	0	100	25
OR	325	125	725	400	0	0	50	0
TX	425	1,200	10,975	10,150	25	300	900	--
UT	50	50	900	7,325	225	0	25	50
WA	0	275	150	100	0	25	25	0
WY	50	425	3,100	16,425	--	75	125	0
Total								
12-Sts	2,275	4,150	21,450	50,450	1,025	3,075	1,700	1,075

Lambs: Losses Before Docking From Mountain Lions, Cougars, Pumas,
and Bears by Size Group, State, and United States, 1994

State	Mountain Lions, Cougars, Pumas				Bears			
	1-24	25-99	100-999	1,000+	1-24	25-99	100-999	1,000+
	Head	Head	Head	Head	Head	Head	Head	Head
	Head							
AZ	0	0	0	100	0	0	0	175
CA	0	525	225	225	0	0	50	25
CO	0	0	0	1,000	0	0	0	100
ID	0	0	--	0	0	0	0	--
MT	0	0	0	100	0	0	0	0
NV	0	0	0	225	0	0	0	0
NM	0	25	175	25	0	25	0	25
OR	0	0	125	50	0	--	25	0
TX	0	0	300	1,675	0	0	0	75
UT	50	100	25	1,375	0	50	0	675
WA	0	0	0	0	0	0	0	0
WY	0	0	25	375	0	0	0	200
Total								
12-Sts	50	650	875	5,150	0	75	75	1,275

Lambs: Losses Before Docking From Foxes and Eagles
by Size Group, State, and United States, 1994

State	Foxes				Eagles			
	1-24	25-99	100-999	1,000+	1-24	25-99	100-999	1,000+
	Head	Head	Head	Head	Head	Head	Head	Head
	Head							
AZ	0	0	0	0	0	0	0	0
CA	0	0	--	25	0	0	175	100
CO	0	25	150	1,125	0	0	0	2,600
ID	0	25	50	125	--	0	--	--
MT	0	--	900	1,400	0	0	275	1,725
NV	0	0	0	0	0	0	25	0
NM	0	0	0	--	0	0	275	875
OR	0	150	75	0	0	25	50	125
TX	25	300	2,400	1,450	0	75	7,775	5,675
UT	0	--	75	300	0	0	175	150
WA	0	0	0	0	0	0	0	0
WY	100	400	1,800	4,200	50	100	975	6,075
Total								
12-Sts	125	900	5,450	8,625	50	200	9,725	17,325

Lambs: Losses Before Docking From Bobcats
by Size Group, State, and United States, 1994

State	Bobcats			
	1-24	25-99	100-999	1,000+
	Head	Head	Head	Head
	Head			
AZ	0	0	0	0
CA	0	0	25	--
CO	0	0	--	0
ID	0	0	0	--
MT	0	0	0	100
NV	0	0	0	125
NM	0	0	100	1,300
OR	0	0	0	0
TX	25	200	3,875	5,675
UT	0	0	0	25
WA	0	0	0	0
WY	0	0	50	150
Total				
12-Sts	25	200	4,050	7,375

Lambs: Losses Before Docking From All Other Animals
by Size Group, State, and United States, 1994

State	All Other Animals 1/			
	1 - 24 Head	25 - 99 Head	100 - 999 Head	1,000+ Head
	Head			
AZ	0	0	0	--
CA	0	--	25	150
CO	0	0	0	0
ID	25	0	0	375
MT	0	0	0	100
NV	0	0	0	225
NM	50	0	0	0
OR	0	50	100	--
TX	0	125	875	2,500
UT	0	225	0	0
WA	0	0	0	25
WY	0	0	225	75
Total				
12-Sts	75	400	1,225	3,450

1/ Includes wolves, ravens, crows, pigs, etc.

Lambs: Losses Before Docking From Digestive and Respiratory
Problems by Size Group, State, and United States, 1994

State	Digestive Problems 1/				Respiratory Problems 2/			
	1-24 Head	25-99 Head	100-999 Head	1,000+ Head	1-24 Head	25-99 Head	100-999 Head	1,000+ Head
	Head							
AZ	0	0	0	0	25	0	--	100
CA	0	0	175	1,025	225	500	450	600
CO	50	150	200	500	75	375	775	575
ID	0	75	200	825	50	175	350	1,425
MT	75	250	1,325	850	75	425	2,050	950
NV	0	25	--	50	--	50	25	25
NM	100	50	50	150	25	25	50	25
OR	75	200	425	350	175	200	875	550
TX	0	125	475	775	1,275	200	250	75
UT	200	225	275	800	125	175	450	1,200
WA	0	125	--	225	75	225	175	25
WY	25	100	250	1,875	25	175	600	575
Total								
12-Sts	525	1,325	3,375	7,425	2,150	2,525	6,050	6,125

1/ Includes bloat, scours, parasites, enterotoxemia, acidosis, etc.

2/ Includes pneumonia, shipping fever, etc.

Lambs: Losses Before Docking From Metabolic Problems and Weather
Related Causes by Size Group, State, and United States, 1994

	Metabolic Problems 1/				Weather Related Causes 2/			
State	1-24	25-99	100-999	1,000+	1-24	25-99	100-999	1,000+
	Head	Head	Head	Head	Head	Head	Head	Head
	Head							
AZ	0	--	0	75	0	0	--	100
CA	0	25	150	700	50	250	900	875
CO	50	25	50	575	100	175	1,050	675
ID	0	--	25	375	75	75	525	1,625
MT	50	25	225	275	125	750	3,600	3,525
NV	275	25	25	50	25	25	50	1,250
NM	75	0	100	25	100	250	150	1,525
OR	0	100	875	200	325	650	525	375
TX	--	100	250	50	25	525	2,350	1,350
UT	150	50	325	1,200	350	575	850	1,800
WA	75	50	0	0	25	225	75	25
WY	--	175	150	700	50	350	2,000	4,700
Total								
12-Sts	675	575	2,175	4,225	1,250	3,850	12,075	17,825

1/ Includes milk fever, twin lamb disease, pregnancy toxemia, etc.

2/ Includes chilling, drowning, lightning, etc.

Lambs: Losses Before Docking From Theft and Poisoning
by Size Group, State, and United States, 1994

	Theft				Poisoning 1/			
State	1-24	25-99	100-999	1,000+	1-24	25-99	100-999	1,000+
	Head	Head	Head	Head	Head	Head	Head	Head
	Head							
AZ	0	0	0	0	0	0	0	0
CA	0	0	50	175	0	0	0	25
CO	0	--	0	0	0	0	0	--
ID	0	0	0	--	0	--	0	0
MT	0	0	0	0	0	0	25	50
NV	0	0	0	0	0	0	0	0
NM	0	0	0	0	0	75	25	25
OR	0	0	0	0	0	0	150	0
TX	0	0	0	0	0	0	125	0
UT	0	0	0	0	50	0	0	0
WA	0	0	0	0	0	0	0	0
WY	0	0	0	0	0	25	--	175
Total								
12-Sts	0	0	50	175	50	100	325	275

1/ Includes nitrate poisoning, noxious feed, noxious weeds, etc.

Lambs: Losses Before Docking From Lambing Problems
by Size Group, State, and United States, 1994

State	Lambing Problems			
	1-24 Head	25-99 Head	100-999 Head	1,000+ Head
AZ	225	0	25	0
CA	500	1,500	650	1,050
CO	500	400	525	1,375
ID	225	525	825	3,725
MT	1,000	975	3,700	3,625
NV	150	150	25	100
NM	125	125	350	200
OR	1,475	1,175	1,550	450
TX	250	600	875	1,400
UT	1,650	1,100	1,400	500
WA	175	775	250	50
WY	100	850	2,150	4,100
Total				
12-Sts	6,375	8,175	12,325	16,575

Lambs: Losses Before Docking From Other and Unknown Causes
by Size Group, State, and United States, 1994

State	Other Causes 1/				Unknown Causes			
	1-24 Head	25-99 Head	100-999 Head	1,000+ Head	1-24 Head	25-99 Head	100-999 Head	1,000+ Head
AZ	1,300	0	--	50	0	0	0	0
CA	50	325	275	200	350	350	100	975
CO	225	--	425	250	--	275	250	1,375
ID	25	25	100	1,550	50	125	1,150	1,575
MT	50	150	425	75	25	125	600	500
NV	--	0	0	0	25	100	--	250
NM	700	200	100	0	175	--	75	725
OR	25	0	75	100	375	100	325	100
TX	0	100	1,150	750	25	1,300	4,525	2,075
UT	25	50	0	250	125	0	950	2,300
WA	50	0	75	0	50	125	25	0
WY	50	125	350	325	0	0	0	0
Total								
12-Sts	2,500	975	2,975	3,550	1,200	2,500	8,000	9,875

1/ Includes on back, diseases not reported earlier, etc.

Sheep and Lambs: Non-Lethal Predator Control Measures Used on Farms
and Ranches by Kind, State, and United States, 1994

State	Aversion	Fencing	Fright Tactics	Guard Animals	Husbandry	Other
Percent of Total						
AL	2.00	42.00	4.00	28.00	22.00	2.00
AZ	.00	38.89	13.89	13.89	30.56	2.78
AR	2.70	27.03	2.70	29.73	27.03	10.81
CA	2.88	34.59	14.41	19.07	22.39	6.65
CO	.67	20.40	9.87	30.27	36.32	2.47
CT	.00	41.67	5.56	16.67	30.56	5.56
DE	.00	20.00	.00	20.00	60.00	.00
FL	2.04	32.65	10.20	20.41	28.57	6.12
GA	.00	64.71	.00	29.41	5.88	.00
HI	.00	54.55	.00	9.09	36.36	.00
ID	.72	22.30	10.07	34.53	29.86	2.52
IL	.51	31.90	6.58	26.84	30.13	4.05
IN	.78	37.98	6.20	25.58	24.03	5.43
IA	.44	27.07	6.11	27.95	32.75	5.68
KS	.39	29.41	12.94	21.96	32.94	2.35
KY	.92	37.61	3.67	28.44	22.94	6.42
LA	.00	60.00	2.22	13.33	24.44	.00
ME	.00	46.55	8.62	17.24	22.41	5.17
MD	2.22	53.33	4.44	17.78	22.22	.00
MA	.00	45.45	3.03	22.73	24.24	4.55
MI	.55	48.09	4.37	18.58	25.68	2.73
MN	.39	45.56	4.25	17.37	27.80	4.63
MS	.00	31.82	4.55	22.73	31.82	9.09
MO	.63	18.24	5.66	36.48	37.74	1.26
MT	.69	18.35	8.26	42.43	25.69	4.59
NE	.00	20.00	8.10	24.29	38.57	9.05
NV	.00	30.30	3.03	22.73	36.36	7.58
NH	.00	50.00	2.94	22.06	22.06	2.94
NJ	.00	58.67	1.33	9.33	22.67	8.00
NM	1.33	38.00	6.00	26.00	16.67	12.00
NY	.58	47.67	5.23	15.70	27.33	3.49
NC	.00	57.83	3.61	21.69	12.05	4.82
ND	.36	14.96	7.30	41.24	31.75	4.38
OH	.58	45.03	4.68	22.81	22.81	4.09
OK	1.55	27.13	4.65	45.74	17.05	3.88
OR	1.27	37.97	7.38	20.04	29.32	4.01
PA	.85	49.57	4.27	19.66	22.22	3.42
RI	.00	48.57	8.57	14.29	25.71	2.86
SC	.00	50.00	.00	12.50	37.50	.00
SD	.28	12.71	8.01	36.46	38.95	3.59
TN	.00	37.68	7.25	27.54	17.39	10.14
TX	1.25	25.98	4.45	33.81	21.35	13.17
UT	.50	15.17	9.95	35.07	37.56	1.74
VT	.82	53.28	5.74	19.67	19.67	.82
VA	.43	33.04	3.48	29.57	33.48	.00
WA	1.09	33.70	4.35	34.78	23.91	2.17
WV	.00	40.00	5.71	28.57	20.00	5.71
WI	.95	46.67	.95	30.48	14.29	6.67
WY	1.07	14.44	8.23	30.55	42.36	3.34
US	.82	29.58	7.19	28.16	29.59	4.67

Non-Lethal and Lethal Predator Control Measures: Average Dollars
Spent per Breeding Animal by State and United States, 1994

State :	Non-Lethal 1/	:	Lethal 2/
	Dollars		
AL	4.32		
AZ	1.39		3/
AR	6.67		.42
CA	3.31		.91
CO	4.74		.19
CT	3.38		1.01
DE	2.72		.00
FL	3.08		.00
GA	6.16		.05
HI	.19		.00
ID	1.92		.00
IL	.82		.59
IN	1.20		.03
IA	.38		.04
KS	2.03		.04
KY	2.39		.04
LA	3.97		.59
ME	9.54		.00
MD	2.13		.00
MA	.95		.09
MI	2.76		.00
MN	2.15		.23
MS	1.08		.04
MO	2.73		1.02
MT	1.18		.17
NE	.68		.55
NV	1.18		1.24
NH	3.81		.33
NJ	8.43		.00
NM	1.54		.00
NY	1.59		.44
NC	2.90		.01
ND	.86		.09
OH	.88		.05
OK	1.76		.06
OR	2.03		.20
PA	5.00		.28
RI	3.35		.00
SC	11.43		.00
SD	.42		.00
TN	3.56		.28
TX	.51		.53
UT	2.01		.50
VT	1.93		.98
VA	2.17		.39
WA	1.29		.06
WV	2.14		.03
WI	.27		.08
WY	2.92		.01
US	1.77		1.57
			.50

1/ Husbandry, fright tactics, aversion, fencing, guard animals, etc.

2/ Predator taxes, hiring private trappers or hunters, hiring aerial hunters, livestock protection collars, etc.

Reliability of Sheep and Lamb Death Loss Estimates

Survey Procedures: A random sample of U. S. producers was surveyed to provide data for these estimates. Survey procedures ensured that all sheep and lamb producers, regardless of size, had a chance to be included in the survey. (Alaska was excluded.) Large producers were sampled more heavily than small operations. Data were collected from about 75,000 operators during the first half of January by mail, telephone, and face-to-face personal interviews. An additional non-probability survey was also conducted in a few western states. Regardless of when operators responded, they were asked to report death losses for sheep and lambs for the 1994 calendar year. Based on the original data collected during January, a report entitled "Sheep and Goat Predator Loss" was issued April 27, 1995. This report contained data for death loss by cause for predators only and was on a State and Regional level. Value of the losses was also included.

This report contains additional data by size on breeding inventory on January 1, 1994. Size groups included 1 - 24 head, 25 - 99 head, 100 - 999 head and over 1,000 head.

Estimating Procedures: Total sheep and lamb death losses from all causes were published in the "Meat Animals - Production, Disposition and Income - 1994 Summary" report released April 13, 1995. In setting the estimates in the report, first total predator and non-predator losses were estimated as a percent of total losses set previously, then specific predator and non-predator losses were estimated, also using a percentage. The same procedure was used to estimate size groups within each of the specific predator and non-predator classes. Further refinement was necessary to assure balancing.

All published estimates were rounded to the nearest 25 head. State estimates of less than 25 head are not published, but are included in the U. S. totals. Throughout the report, a - (dash) indicates that some deaths were reported, but the number is less than 25 head. A zero indicates no deaths were reported. This does not indicate that no deaths occurred, but the sample from the survey did not indicate any. However, the estimates in this report should be a good indication of where the death losses occurred and which size groups were impacted most.

Reliability: Since all sheep operators were not included in the sample, survey estimates are subject to sampling variability. Survey results are also subject to non-sampling errors, such as omissions, duplications, and mistakes in reporting, recording, and processing the data. The effects of these non-sampling errors cannot be measured directly. They are minimized through rigid quality controls in the data collection process and through a careful review of all reported data for consistency and reasonableness.

Terms and Definitions

Lambs: Less than one year old. In the Eastern United States there is no distinction between losses before and after docking. All losses are included in after docking. In the Western United States, the lamb losses are split between before and after docking.

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